

Figure 1

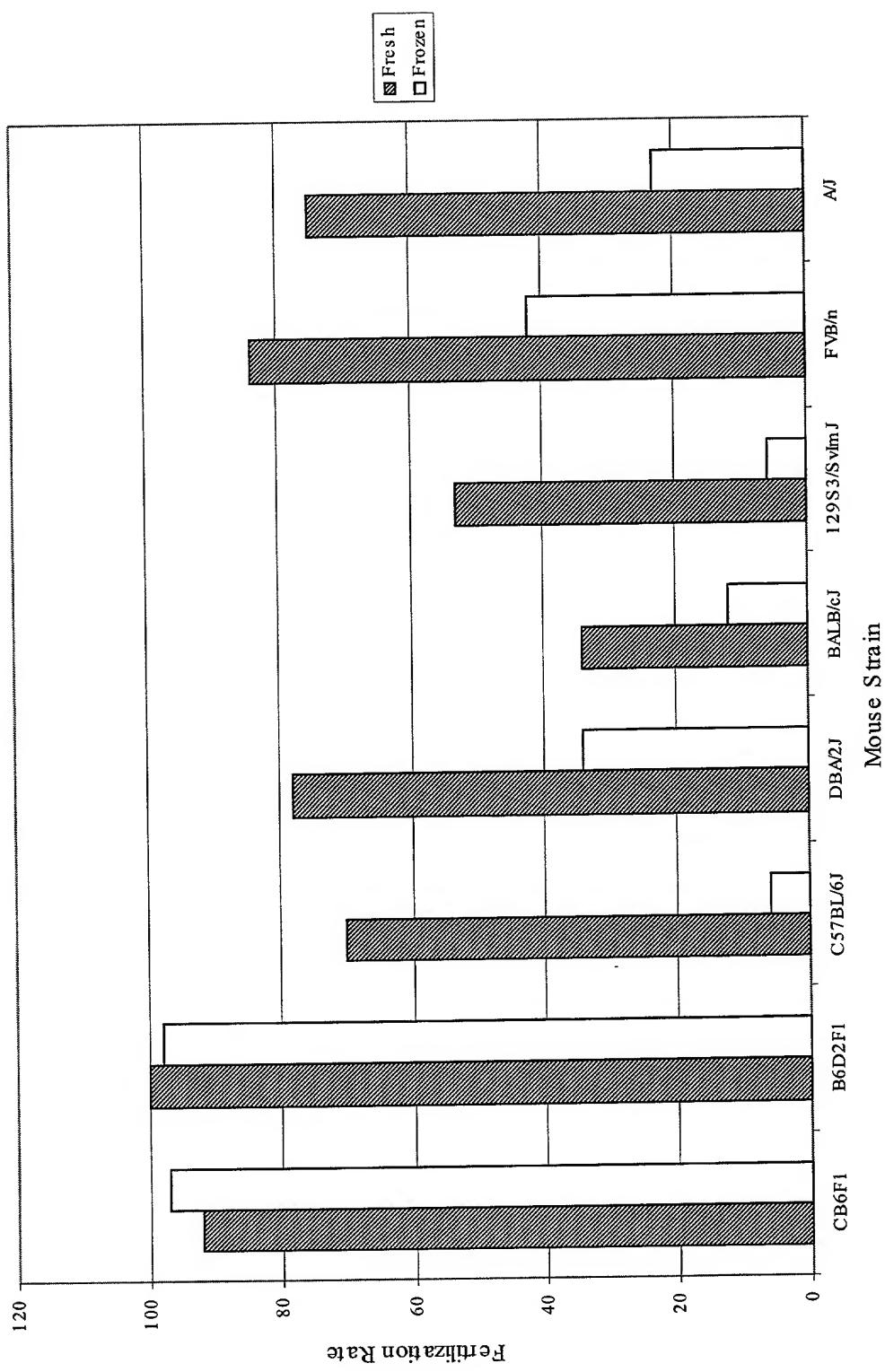


Figure 2

Strain Strain Name Number	Number of Oocytes	Number of Two Cells	Percent Two Cell	Number of Blastocysts	Percent Blastocysts	Number of Pups
3873 B6AF1/J-(Puff)	303	92	46.70	67	72.83	1
3874 B6AF1/J-(Blossom)		149	80.54	120	80.54	7
2197 C57BL/6J-Col1a1<Mov13>	248	7	3.00	0	0.00	0
2298 B6.Cg-TgN(SOD1)2Gur		64	23.97	14	21.88	0
3253 B6;129P-Hbb-b1<tm1Unc> Hbb-b2<tm1Unc>	414	37	8.94	10	27.03	0
2681 B6.129P2-Agt<tm1Unc>	393	44	11.37	3	6.82	0
2984 B6.129S1-Ii12rb1<tm1Jm>	360	126	37.61	65	51.59	0
2972 B6.129S-Sod1<tm1Leb>		61	25.52	19	31.15	0
2197 C57BL/6J-Cola1<Mov13>	240	33	14.54	0.00	0.00	0
3253 B6;129P-Hbb-b1<tm1Unc> Hbb-b2<tm1Unc>	240	58	27.10	0.00	0.00	0
3185 C57BL/6-TgN(PRG1)18Wlad	174	62	35.63	13	20.97	0
2494 B6;129S-Cya<tm1Sac>	279	170	66.67	37	21.76	0
3185 C57BL/6-TgN(PRG1)18Wlad	231	81	40.30	4	4.94	0
2741 B6.129S7-Akp2<tm1Sor>	234	74	35.07	36	48.65	0
2681 B6.129P2-Agt<tm1Unc>	233	71	33.97	20	28.17	1
2929 C57BL/6- TgN(TcrOva)1100.1Mib	192	103	53.65	76	73.79	0
3333 C57BL/6-TgN(TF-CAT)48Gsa	231	47	22.07	17	36.17	0
2963 B6;129-Pesk2<tm1Dfs>	258	168	65.63	58	34.52	0
2463 B6.129S2-Itgα4<tm1Hyn>		130	86.67	79	60.77	1
2972 B6;129S-Sod1<tm1Leb>	211	22	11.06	0.00	0.00	0
2972 B6;129S-Sod1<tm1Leb>	351	12	4.00	0.00	0.00	0
2816 B6.129-Ii2rb<tm1Mak>	241	102	44.35	9	8.82	0
3186 C57BL/6-TgN(PRG3)9Wlad	266	187	82.02	2	1.07	0
3321 B6.129S6-Gba<tm1Ns>	285	105	36.84	1	0.95	0
3138 B6.129-Hprt<tm1Delt>	344	66	19.94	5	7.58	0
2727 B6;129S-Ahrtm1Bra	247	72	29.15	1	1.39	0

Figure 3

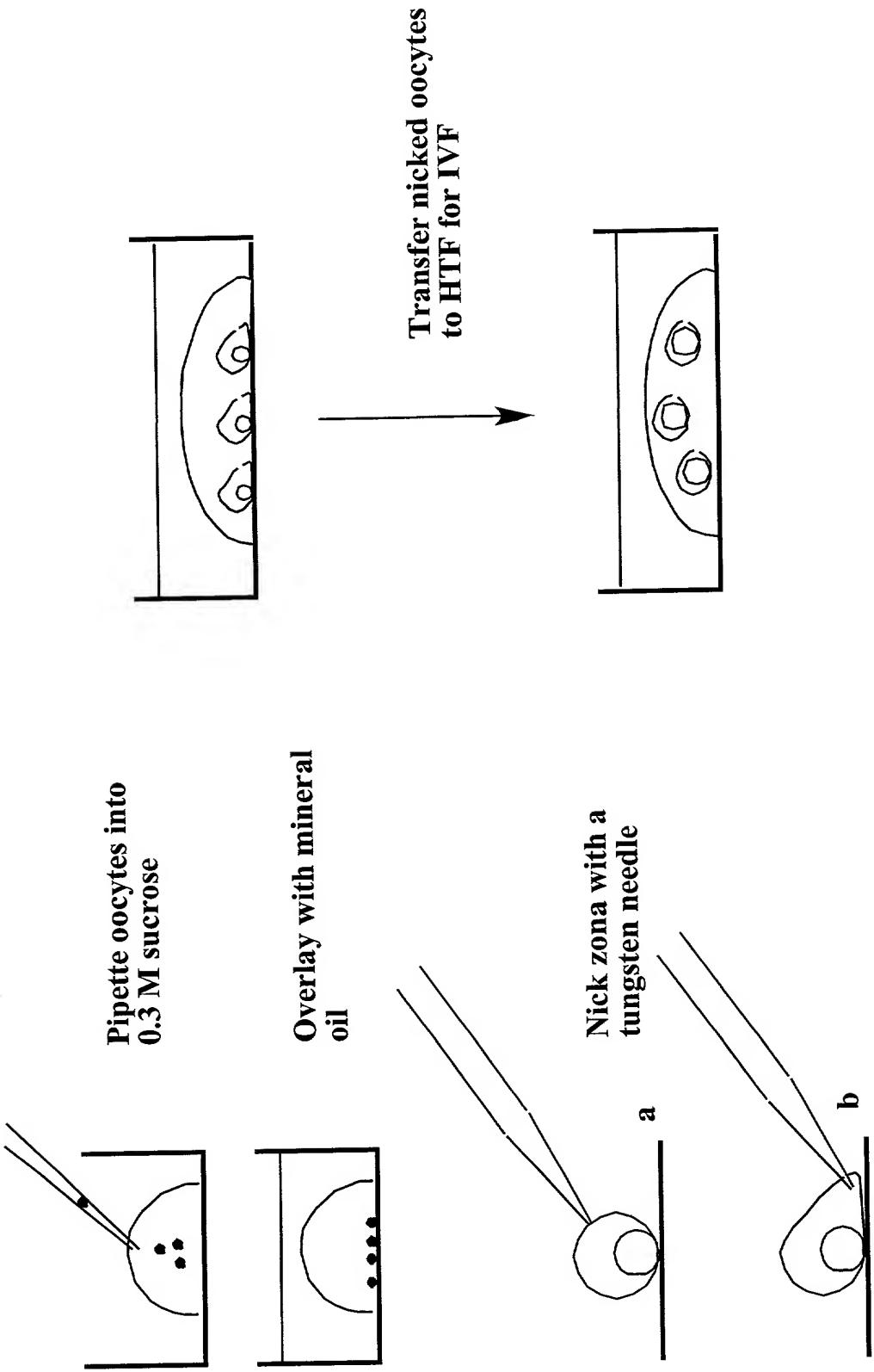


Figure 4

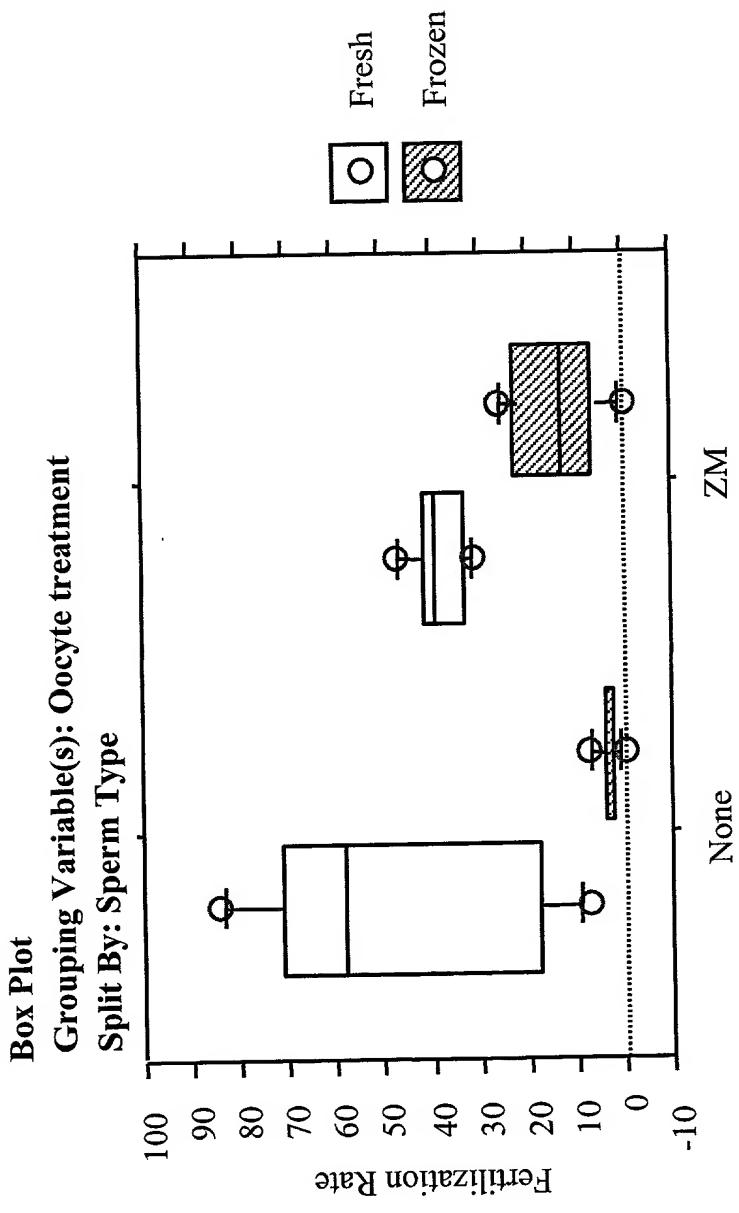


Figure 5

Strain	No Treatment	Zona Melt	Laser Nick
B6.Cg-TgN[tTAhCMV]3Uh	4.73	31.39	18.64
C3HeB.129S7[B6]-Kcnal<tm1Tem>	16.82	33.61	5.36
C57BL/6-TgN[LCK-NFKBIA]5Dwb	20.32	33.59	55.58
B6S JL-TgN[SOD1-G93A]1Gur<d1>	30.71	22.18	30.91
FVB/N-TgN[MMTVPyVT]634Mul	6.62	7.76	6.61
B6.129S2-Pomc<tm1Low>	34.72	38.8	54.04

Figure 6

